ITEM	UNITS	QUANTITY	UNIT COST	T	OTAL UNIT COST	CO	ACCESS ONTINGENCY	TASK COST	DESCRIPTION/ASSUMPTIONS
Capital Costs									
Lead based paint abatement	ft²	12,000	\$15.24	\$	182,880	\$	91,440	\$ 274,320	Means 25 02 0104. 50% contigency for access.
SUBTOTAL								\$ 274,320	
Indirect Capital Costs Health and Safety Implementation - 20%								\$ 54,864	
Overhead and Profit - 20%								\$ 54,864	
Permit Acquisitions - 5%								\$ 13,716	
Contingency Allowance - 25%								\$ 68,580	
TOTAL								\$ 466,344	

RSMeans' 2004 Environmental Remediation Cost Data – Unit Price and RSMeans' 2004 Environmental Remediation Cost Data – Assemblies. were used for certain unit costs estimates as indicated. Costs have been escalated from 2004 to 2011 using a 2.7% inflation rate, based upon the rates published in Appendix C of Circular A-94 Guidelines and Discount Rates for Benefit-Cost Analysis of Federal Programs (United States Office of Management and Budget, January 2009).

TABLE 3: Alternative 3: Decontamination, Dismantling, Recycling and Disposal

New Property Pro		ITEM	UNITS	QUANTITY	UN	NIT COST	TO	TAL UNIT COST	cc	ACCESS ONTINGENCY		TASK COST	DESCRIPTION/ASSUMPTIONS	
Pennying equipment	9	Capital Costs												
Pumping copping complement	,	VESSEL PREPERATION - DECOMTAMI	NATION											
Carbine Carb]	Remove/treat non-oily water	gal.											
Public Note														
Page	(Carbon Filter	each	1	\$	11,043	\$	11,043			\$	11,043	Means 33 13 2021.	
Deck and superstructure perpanatrion Day Nate Day Nate S 5.500 S 16.500 S 16.500 TAT Bisso.												# #00	mam Pi	
Below Deck preparation Day Rate Day Ra														
File Popular person Popular Section														
VESSEL - TRANSFORT														
Fige 3														
Piles	,	VESSEL - TRANSPORT											Assumes Dry Dock is within 30 hours of tug time.	
Proposition Property Proper			Hrly.	90	\$	1,900	\$	171,000			\$	171,000		
Proposition Property Proper								5,000				5,000	T&T Bisso.	
Remove electrical wiring	,	VESSEL DISPOSAL												
Contingency]	Dry Dock	mo.	3	\$	150,000	\$	450,000			\$	450,000		
Transport Drums	1	Remove electrical wiring	LF	50	\$	10.34	\$	517	\$	517	\$	1,034	contingency used based on the quantity estimate. 100% contingency used based on the quantity estimate. Assumed Non-friable ACM. Wire/conduit weight estimated from:	
Remove/dispose solid/hazardous waste (2000 lbs.)														
Remove/dispose solid/hazardous waste (2000 lbs.) Crummed Waste Shipment Charge		•												
Drummed Waste Shipment Charge]	Incineration of PCB waste	Drum	1	\$	97.59	\$	98			\$	98	Means 33 19 9534.	
Transport Drums]	Remove/dispose solid/hazardous waste (2000 lb	os.)										Assumes material is already drummed.	
Remove/dispose PCB paint ft² 12,000 s 15.24 s 182,938 s]	Drummed Waste Shipment Charge	each			2,801.39	\$		\$	2,801			Means 33 19 0201. Assumes 100% contingency for loading.	
Remove/dispose PCB paint ft² 12,000 \$ 15.24 \$ 182,938														
Remove Foam]	Landfill Hazardous Waste 55-Gal Drums	each	3	\$	117.49	\$	352			\$	352	Means 33 19 7202.	
Recycle/dispose superstructure ton 2,400 \$ (350) \$ (840,000) \$ (840,000) Credit for recycle steel.]	Remove/dispose PCB paint	ft²	12,000	\$	15.24	\$	182,938			\$	182,938	with 100% access contingency. Disposal 6 drums of chips @	
Dismantle vessel Crain Rental Day Rate 50 \$ 15,000 \$ 750,000 \$ 750,000 Labor and equipment BD&S quote. Used to provide access/storage for vessel preparation. Equipment/Manpower verbal estimate Ryba Marine (3/1/11). SUBTOTAL Indirect Capital Costs Health and Safety Implementation - 10% Overhead and Profit (Means Costs Only) - 20% Permit Acquisitions - 0% Contingency Allowance - 25% S 15,000 \$ 750,000 Labor and equipment BD&S quote. Used to provide access/storage for vessel preparation. Equipment/Manpower verbal estimate Ryba Marine (3/1/11). S 2,734,317 S 273,432 S 18,856 Permit Acquisitions - 0% S - Contingency Allowance - 25%	1	Remove Foam	cf	111,113	\$	16.71	\$	1,856,690			\$	1,856,690		
Crain Rental Hrly. 42 \$ 250 \$ 10,500 \$ 10,500 Labor and equipment BD&S quote. Barge/Tug/Light Crane/Crew Day Rate 30 \$ 1,000 \$ 30,000 \$ 30,000 Equipment/Manpower verbal estimate Ryba Marine (3/1/11). SUBTOTAL \$ 2,734,317 Equipment/Manpower verbal estimate Ryba Marine (3/1/11). Indirect Capital Costs Health and Safety Implementation - 10% \$ 273,432 Overhead and Profit (Means Costs Only) - 20% \$ 418,856 Permit Acquisitions - 0% \$ 5 Contingency Allowance - 25% \$ 683,579]	Recycle/dispose superstructure	ton	2,400	\$	(350)	\$	(840,000)			\$	(840,000)	Credit for recycle steel.	
Crain Rental Hrly. 42 \$ 250 \$ 10,500 \$ 10,500 Labor and equipment BD&S quote. Barge/Tug/Light Crane/Crew Day Rate 30 \$ 1,000 \$ 30,000 \$ 30,000 Equipment/Manpower verbal estimate Ryba Marine (3/1/11). SUBTOTAL \$ 2,734,317 Equipment/Manpower verbal estimate Ryba Marine (3/1/11). Indirect Capital Costs Health and Safety Implementation - 10% \$ 273,432 Overhead and Profit (Means Costs Only) - 20% \$ 418,856 Permit Acquisitions - 0% \$ 5 Contingency Allowance - 25% \$ 683,579]	Dismantle vessel	Day Rate	50	\$	15,000	\$	750,000			\$	750,000	Labor and equipment BD&S quote.	
Barge/Tug/Light Crane/Crew Day Rate 30 \$ 1,000 \$ 30,000 \$ 30,000 \$ 30,000 \$ 2,734,317	(Crain Rental				250	\$	10,500			\$	10,500		
Indirect Capital Costs Health and Safety Implementation - 10% Overhead and Profit (Means Costs Only) - 20% Permit Acquisitions - 0% S - Contingency Allowance - 25% \$ 683,579]	Barge/Tug/Light Crane/Crew	Day Rate	30	\$	1,000	\$	30,000			\$	30,000		
Indirect Capital Costs Health and Safety Implementation - 10% Overhead and Profit (Means Costs Only) - 20% Permit Acquisitions - 0% S - Contingency Allowance - 25% \$ 683,579		SUBTOTAL									\$	2.734.317		
Health and Safety Implementation - 10% Overhead and Profit (Means Costs Only) - 20% Permit Acquisitions - 0% Solution - 25%											-	, ,		
Permit Acquisitions - 0% Contingency Allowance - 25% \$ 683,579											\$	273,432		
Contingency Allowance - 25% \$ 683,579	•	Overhead and Profit (Means Costs Only) - 2	0%								\$	418,856		
]	Permit Acquisitions - 0%									\$	-		
<u>TOTAL</u> <u>\$ 4,110,184</u>	•	Contingency Allowance - 25%									\$	683,579		
	-	TOTAL									\$	4,110,184		

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